

# Dekalb

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but as the plant population is increased, often the second ear is lost.

According to Tsotsis, "The isolation of new genetic sources of prolificacy combined with an ongoing screening and selection program have brought about some exciting new developments in multiple eared corn."

Dekalb sees two possible avenues with prolific-type corns that could help farmers produce more corn from every acre. The first is the obvious - prolific hybrids that have the ability to produce two or more good ears from a single stalk at today's typical population levels. In other words, produce two ears where only one was produced before. In this way, it is hoped, the per acre yield could be increased.

But there is another avenue with prolific corns that could be equally rewarding according to the company. Research shows some prolific-type hybrids have the ability to withstand very high plant populations



Dekalb initiated its wheat breeding program more than a decade ago. That's when Dr. James Wilson was appointed director of wheat research. Dr. Wilson gained prominence while working at the Fort Hays Branch of

the Kansas Experiment Station after discovering a useful form of cytoplasmic sterility and fertility restoration used in wheat hybridization.

and still produce one good ear. "This productive tendency of prolific corn even in the face of severe population stress could be of real significance," says Dr. Ron Castleberry, manager of Dekalb's corn physiology program. "Most farmers have seen barrenness in their corn fields planted at

high populations and know what this costs them in grain yield."

So with prolifics, it is conceivable that the farmer's goal may not be two ears per stalk, but rather a corn crop planted extremely thick with each stalk producing a single ear.

Dekalb sources point out that additional research and testing is needed before commercial DEKALB prolific hybrids will be available to the farmer, but the recent developments do look encouraging.

**Prevention: The Key to Beating Corn Disease**

"Corn diseases are prevented; they are seldom cured or controlled after they become established."

That is how Dr. David Smith, manager of the corn pathology program with Dekalb sums up the major reason for the Company's new program for monitoring corn diseases.

"Thru monitoring, possible shifts in the occurrence of disease can be detected and new types or

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## PUBLIC SALE

**OF 83-ACRE FARM, LIVESTOCK, HORSE-DRAWN FARM EQUIPMENT**

**SATURDAY, SEPTEMBER 28, 1974**

AT 10:30 A.M.

Located approximately 2 miles west of Route 104 along road leading to Oriental, Perry Township, Snyder County, Pa., the following to wit

83-ACRE FARM (more or less) (SNYDER COUNTY)

LARGE BANK BARN with Attached Milk House (New). Barn Equipped with 12 Stanchions. New Horse Stable.

2½-STORY DWELLING

(Aluminum Siding. New Plumbing and Electric) IMPLEMENT SHED, CORN SHED, BLACKSMITH SHOP.

Well and Pressure System. 4 Acres Meadow with Pond Creek on edge of property. This farm is well located with many feet of road frontage. Land in high state of cultivation. Real Estate at 2:00 P.M.

11 HOLSTEIN DAIRY COWS

(Grade and Purebred — Health Charts)

BULL (Purebred, 1½ years old. Holstein Astronaut). 4 WORK HORSES (Extra fine); CARRIAGE HORSE (Standard Bred); 14 PIGS (100-125 lbs.); PUREBRED CALF.

FARM EQUIPMENT

18-H.P. Deuta Diesel Engine; New Holland 68 Baler with Engine; New Idea Manure Spreader (3-horse hitch); John Deere No. 999 Corn Planter; 60-H.P. Continental Power Unit (overhauled); McCormick No. 7 Ensilage Cutter; Hochstetler Flat Wagon (new, with corn sides); New Idea Flat Wagon; John Deere 20 Disc (new discs); John Deere 3-Section Spring Harrow; McCormick Corn Binder (like new); McCormick 8' Grain Binder; McCormick No. 9 5-Ft. Mower; Case Side Delivery Rake; Cultipacker; Cart with Steel Wheels; McCormick Cultivator; Ontario Grain Drill, 14 disc.; Boom Sprayer (new pump and hoses); Sulky Plow, 16" Radex Bottom; Binder Fore Truck; Potato Plow; Two Steel Wheels for Implements.

12-Can Milk Cooler (stainless steel); 3 Surge Milers (50 lb buckets); 20-Qt. Carrying Bucket (stainless steel); 23 Milk Cans; S.P. 22 Surge Vacuum Pump; Stainless Steel Twin Tubs; Stainless Steel Strainers; Kerosene Glass Lined Water Heater (40 gal.); Vacuum Clipper (extra blades, new); Cow Chains; Halters; Bridles; Collars and Pads; Five Sticks; Many Single, Double and Triple Trees; 4, 5, and 6 Sets Work Harness (like new); Check Lines; Saddle; Jockey Hitches; Middle Rings, 3-H.P. Cobler Compressor; 3-H.P. Briggs & Stratton Engine; 64' Endless Belt, 6"; Log Chains; Corn Chopper; Aluminum Shovel; Plow Shears; Baler Twine; 275-Gal. Fuel Tank (half full); 50-Gal. Tank and Filter; Meat Bench; 3 Double Coleman Lanterns; Alfalfa; Clover, Oats Seeds; 23½ ACRES CORN (in field). All Implements in extra good condition. Do not miss this sale! (Call Auctioneer for Directions)

Sale to start at 10:30 A.M. Real Estate at 2:00 P.M. Terms by

**DAVID S. HORST**

T. Glenn Horst Auction Service - 717-859-1331  
Martin Bros., Clerks

Lunch Available

## REGISTERED AYRSHIRES

THE KEYSTONE ALL-AMERICAN AYRSHIRE SALE

TUESDAY EVENING, SEPTEMBER 24

7:00 P.M.

Farm Show Building, Harrisburg, Pa.

Selected consignments from leading herds coast to coast - California, Oregon, Maine, R.I., Conn., Md., Va., Ohio, and Pa. Mostly bred heifers and young cows due early fall. Few recently fresh. Dams top records to 20,120 lbs. M. and 854 lbs. F. Several of breeds top sires represented. One especially well bred bull calf.

Come and look the consignments over. Plan to attend the auction sale Tuesday - September 24 - 7 P.M.

Ayrshires - The Opportunity Breed

SALE SPONSORED BY

The Pennsylvania Ayrshire Club

Managed by

Ayrshire Breeders' Assn.,  
Brandon, Vt. 05733

## SPECIAL FALL SALES

Sept. 26 - 7 P.M. 1st Feeder Calf Sale  
1200-1500 Head

Oct. 17 - 7 P.M. 2nd Yearling Sale  
1000-1200 Head

Oct. 31 - 7 P.M. 2nd Feeder Calf Sale  
1200-1500 Head

State Graded in uniform lots according to breed, grade, sex and weight

Sponsored by  
Marshall Feeder Cattle Association

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**WEDNESDAY, SEPTEMBER 25, 6:30 P.M.**

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LOCATION, LOCATION, LOCATION!

## PUBLIC AUCTION

REAL ESTATE - TWENTY-FOUR (24)

ACRE FARMETTE - REAL ESTATE

Located in the Garden Spot of the World! No. 1 Tourist County of Pennsylvania!

**SATURDAY, SEPTEMBER 28, 1974**

AT 2:00 P.M.

Location Three (3) miles southeast of Lancaster, one and one-half (1½) miles south of Route No. 30 (turn at Garden Spot Gifts), onto Strasburg Pike, 279 Strasburg Pike, East Lampeter Township, Lancaster County, Pennsylvania.

Potential educational-agricultural resort - 23.885 acres - 1½ acre Pond 683' Frontage on Strasburg Pike - Dual Family Dwelling - Root Cellar.

Real Estate consisting: - Dwelling built in 1886 with 2½ stories, full basement, brick and frame construction, completely designed for two (2) families - First Floor, Two (2) living rooms, dining room, bedroom, 2 kitchens, center hall and full bath; Second Floor, Five (5) bedrooms, bath and balcony, Attic, Two (2) rooms, unfinished; Basement, completely refinished, entire dwelling carpeted, oilfired hot water heating system housed in basement, all new water and heating pipes recently installed. Barn built in the early 1700's, 50' x 60', stone gable and frame bank barn, First Floor, steer shelter, Second Floor, Double hay mow and grainery. Tobacco Shed, 36' x 50', remodeled for steers w-second story floored, Corn Crib with 25 ton capacity, electric and water in all buildings, well and sewage on site. Public water on three (3) sites within ½ mile of farm, public sewage one farm away! The land is beautifully landscaped with ornamental trees and shrubbery including clump birch, mountain ash, holly, fire thorn, mimosa, split-leaf red maple and rhododendron to mention a few. A "never failing spring" fills the 1½ acre pond, a paradise for ducks and wild life. This outstanding opportunity is located at the western end of the "Golden Strip" of Lancaster County, just one mile from the Host Farm, Host Corral, Dutch Wonderland, Wax Museum, Amish Homestead, Emporium, East Mall and many, many other tourist attractions!

INSPECTION: Saturday, September 21 and Sunday, September 22, from 1:00 - 5:00 P.M., ONLY. Settlement: On or before JANUARY 15, 1975.

Terms: 15 percent Deposit Cash or Approved Check. Whitford Sales Company  
L. Robert Frame, Auctioneer  
Box 98, Uwchland, P.O., Eagle, Pa. Phone (215) 458-5060

By the order of:

**AMOS L. SHEAFFER**

**EDNA L. SHEAFFER**

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